

# **JAW CRUSHER XL**



The Vector Jaw Crusher XL is a heavy-duty, continuous-feed crusher engineered for high-capacity sample preparation in mining and material-testing laboratories. Its jaws accept feed up to 200 mm and reduce samples down to 1 mm, delivering up to 150 kg of crushed material per hour. An integrated sample-collection tray and optional automatic sample-splitter allow precise, user-defined subsampling without interrupting operation. A powerful motor and robust frame handle materials up to Mohs hardness 8 under steady, high-throughput conditions.



**VTR-1011-XL**



Vector Jaw Crusher XL

The Ultimate Lab Crushing Solution

Quality & Innovation

Designed end-to-end by Vector’s in-house engineering team, the Crusher XL employs premium wear-resistant steel jaws, precision-machined bearings and a sealed crushing chamber to maximize uptime and jaw life. A seven-inch capacitive touchscreen HMI provides programmable crush profiles and live diagnostics, while a dedicated physical start button and motor-drive with jam detection and automatic clearing routines ensure smooth, reliable operation.

Standards Compliance

Built and tested under CE machinery-safety directives, the Jaw Crusher XL features guarded moving parts, emergency-stop interlocks and EMC-certified electrical assemblies. Its robust mechanical design and verified performance under continuous operation meet international laboratory and industrial requirements for sample-preparation equipment.

Key Advantages

- High Throughput: Crushes up to 150 kg/h for rapid sample turnaround.
- Tight Particle Control: Reduces feed to 1 mm with stepless gap adjustment.
- Seamless Subsampling: Optional auto sample-splitter produces uniform fractions on-the-fly.
- Advanced Safety & Recovery: Motor drive with jam detection, auto-clear routines and emergency-stop safeguards.

TECHNICAL SPECIFICATION

| Parameter              | Specification                         |
|------------------------|---------------------------------------|
| Model                  | VTR 1011-XL                           |
| Jaw Size               | 300 x 450 mm                          |
| Feed Size              | Up to 200 mm                          |
| Minimum Particle Size  | Down to 1 mm                          |
| Throughput Capacity    | Up to 150 kg/hour                     |
| Drive Power            | 5.5 kW                                |
| Material Hardness      | Mohs ≤ 8                              |
| Jaw Material           | Hardened manganese steel              |
| Gap Adjustment         | Stepless, 0–30 mm                     |
| HMI                    | 7" capacitive touchscreen display     |
| Physical Controls      | Start/stop button; emergency-stop     |
| Sample Splitter        | Optional automatic splitter accessory |
| Electrical Supply      | 380 V / 50 Hz                         |
| Dimensions (L × W × H) | 850 x 1350 x 1350 mm                  |
| Net Weight             | ~ 650 kg                              |

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